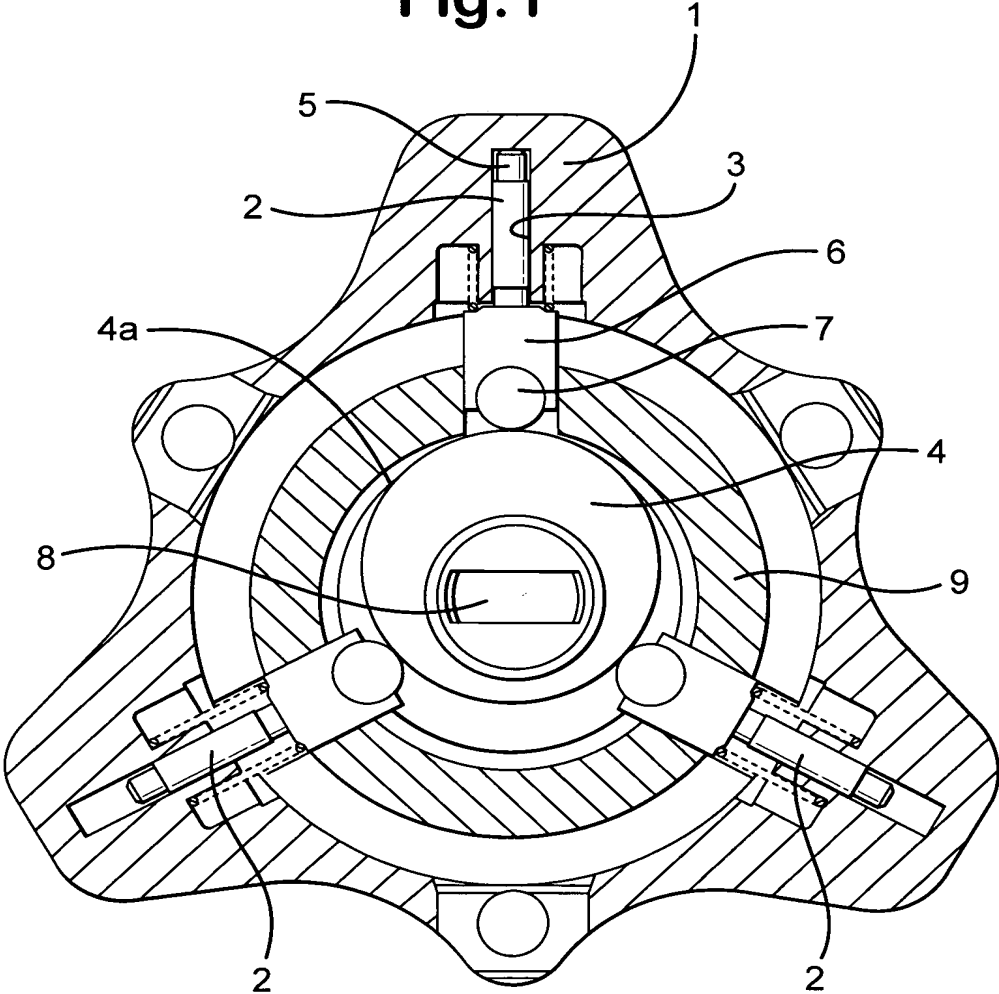
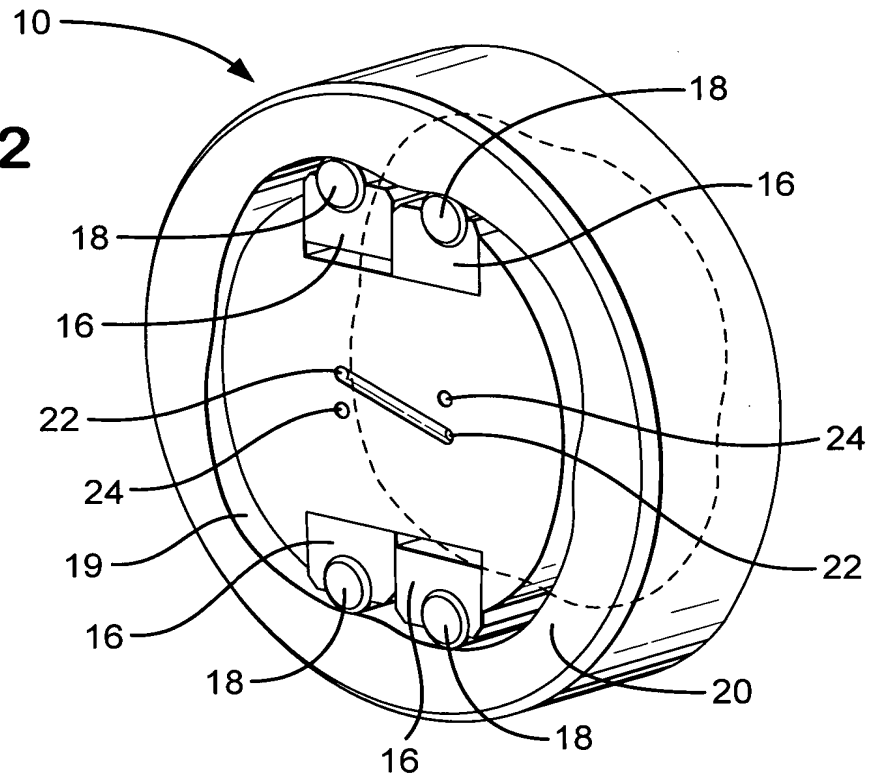


Fig.1

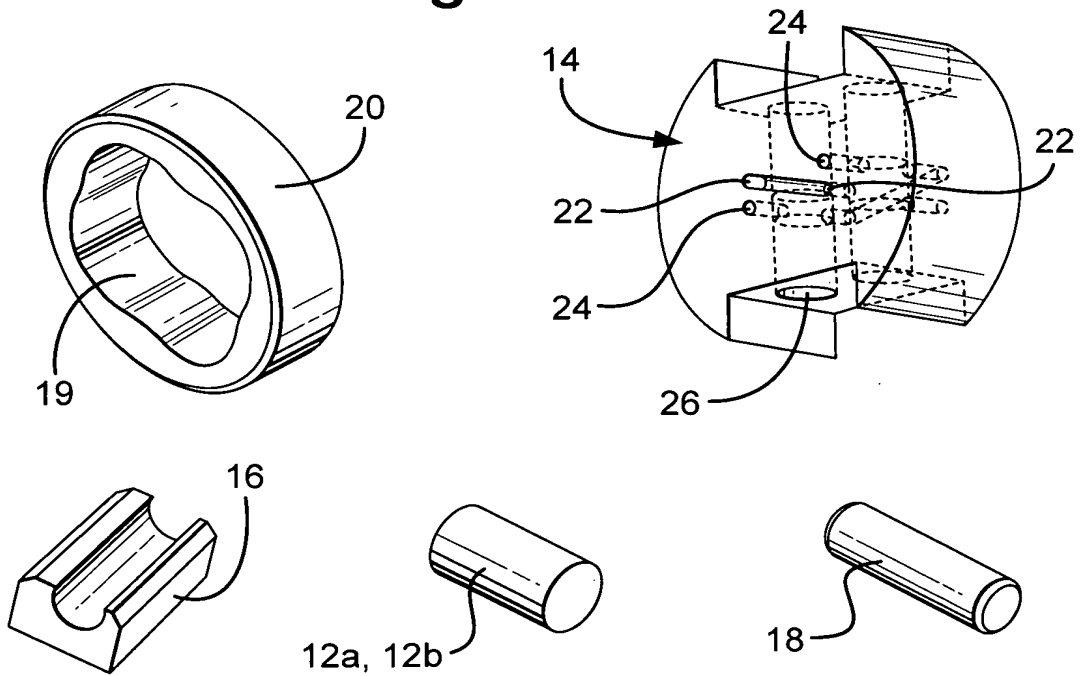


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**Fig.2**

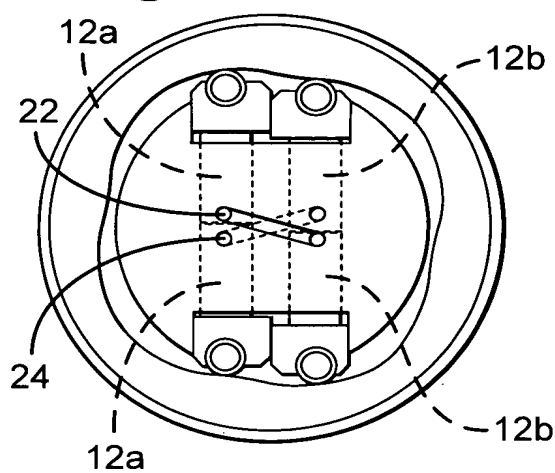
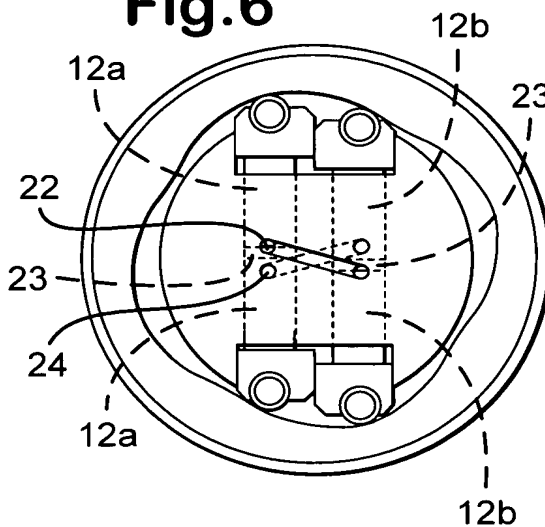
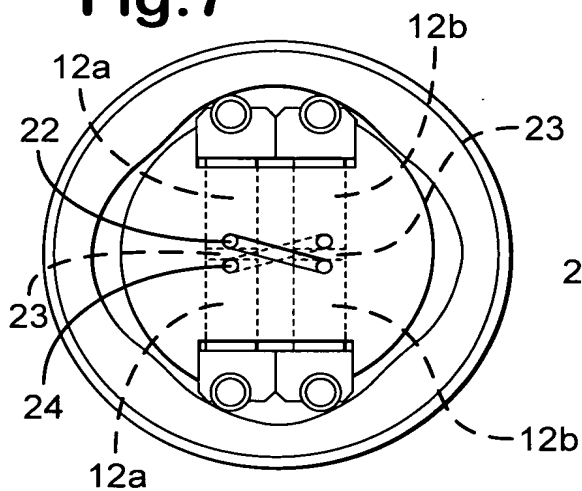
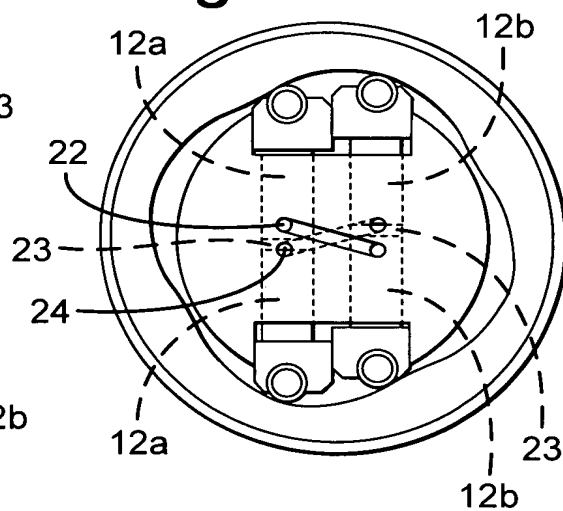
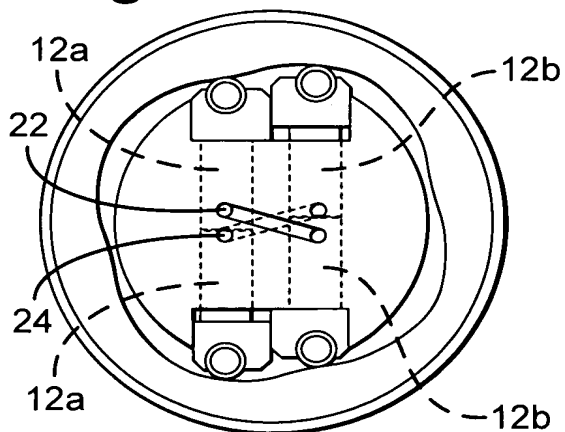
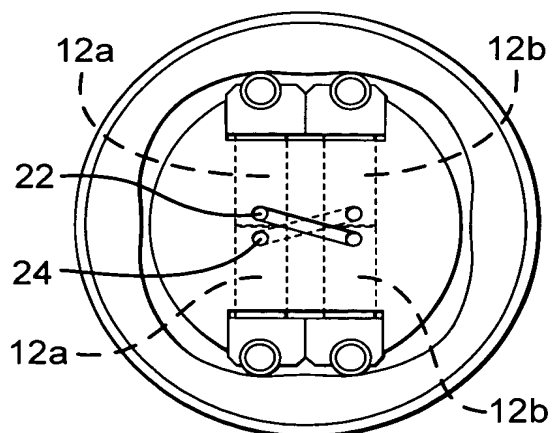


**Fig.3**



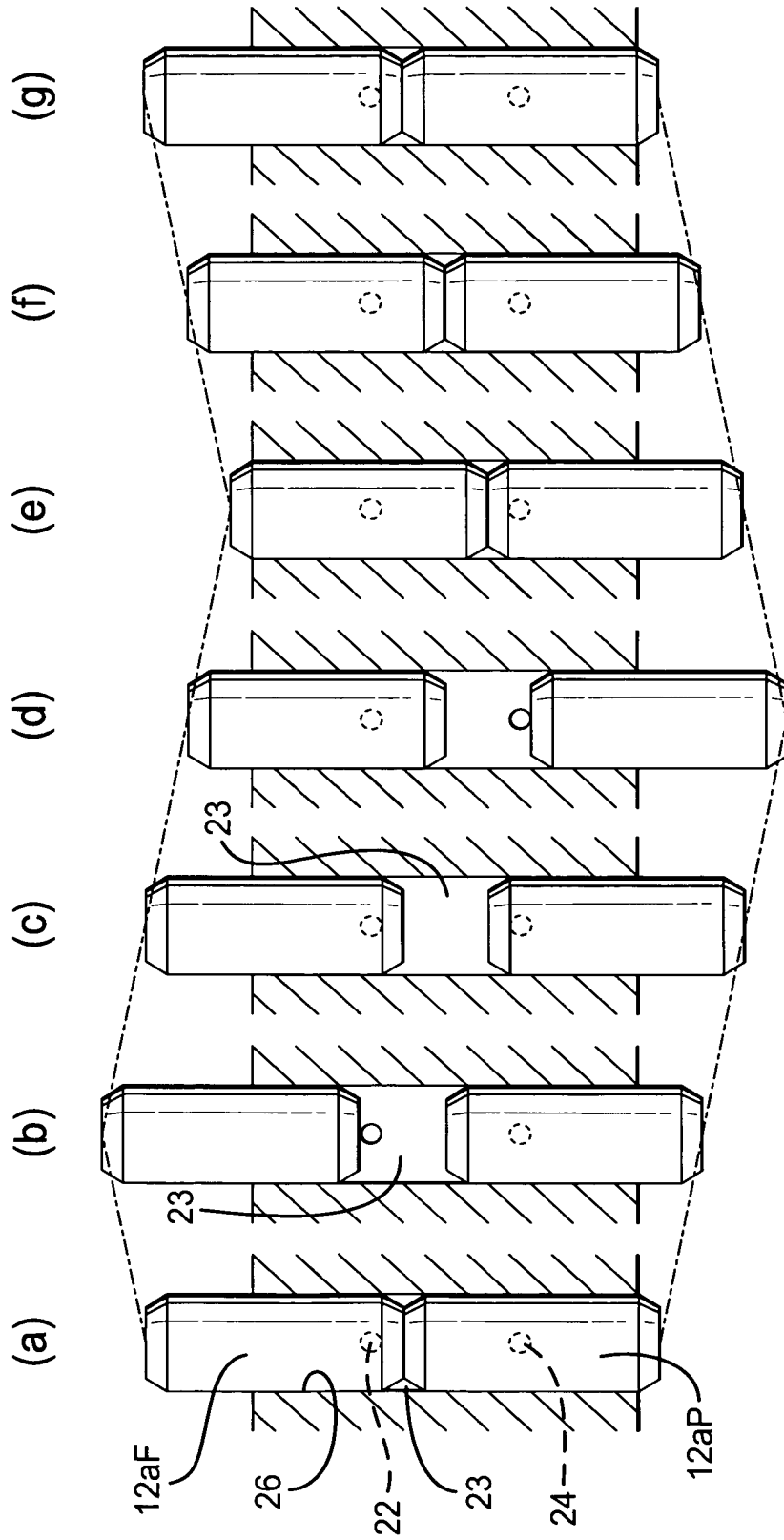


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**Fig.5****Fig.6****Fig.7****Fig.8****Fig.9****Fig.10**

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Fig.11



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Fig.12

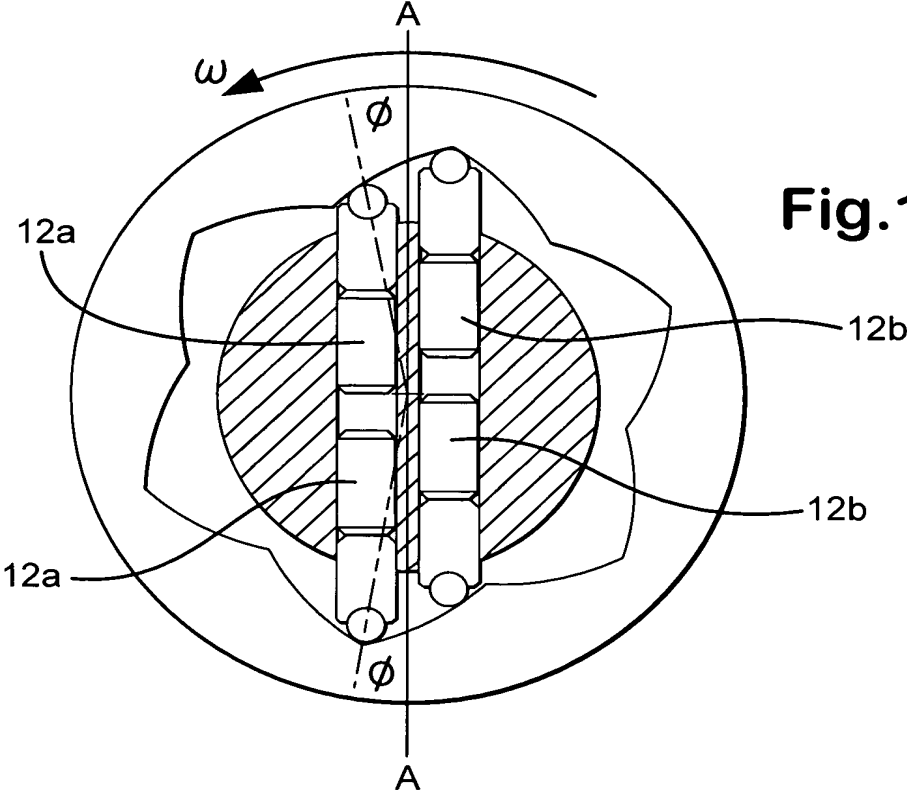
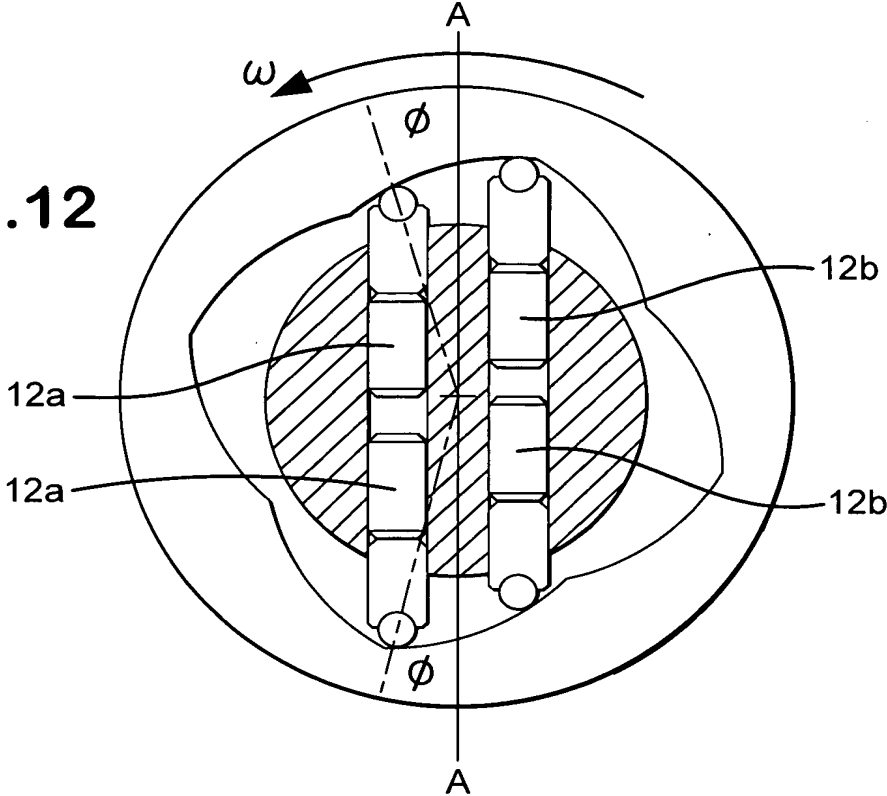
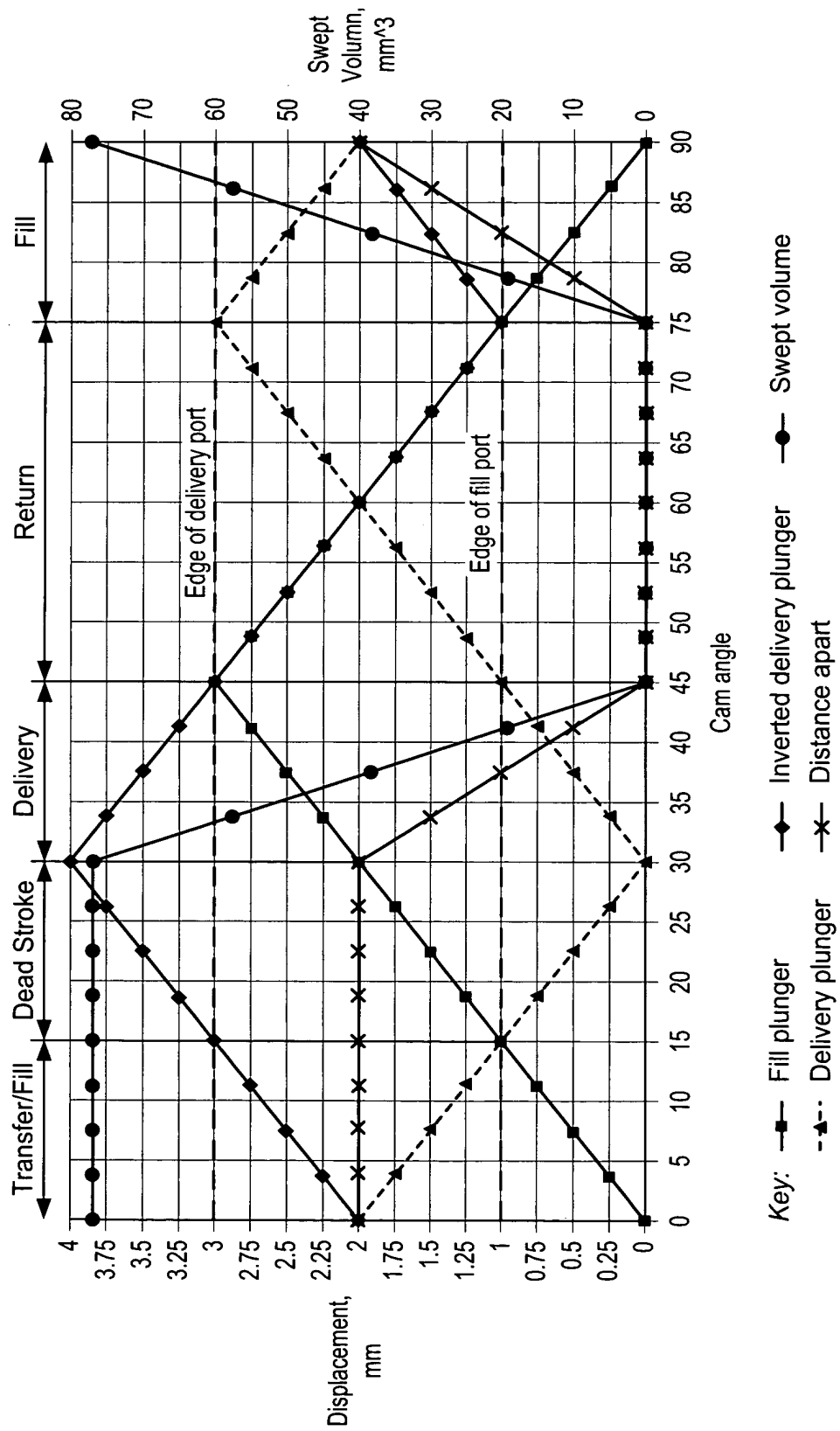


Fig.13

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Fig.14

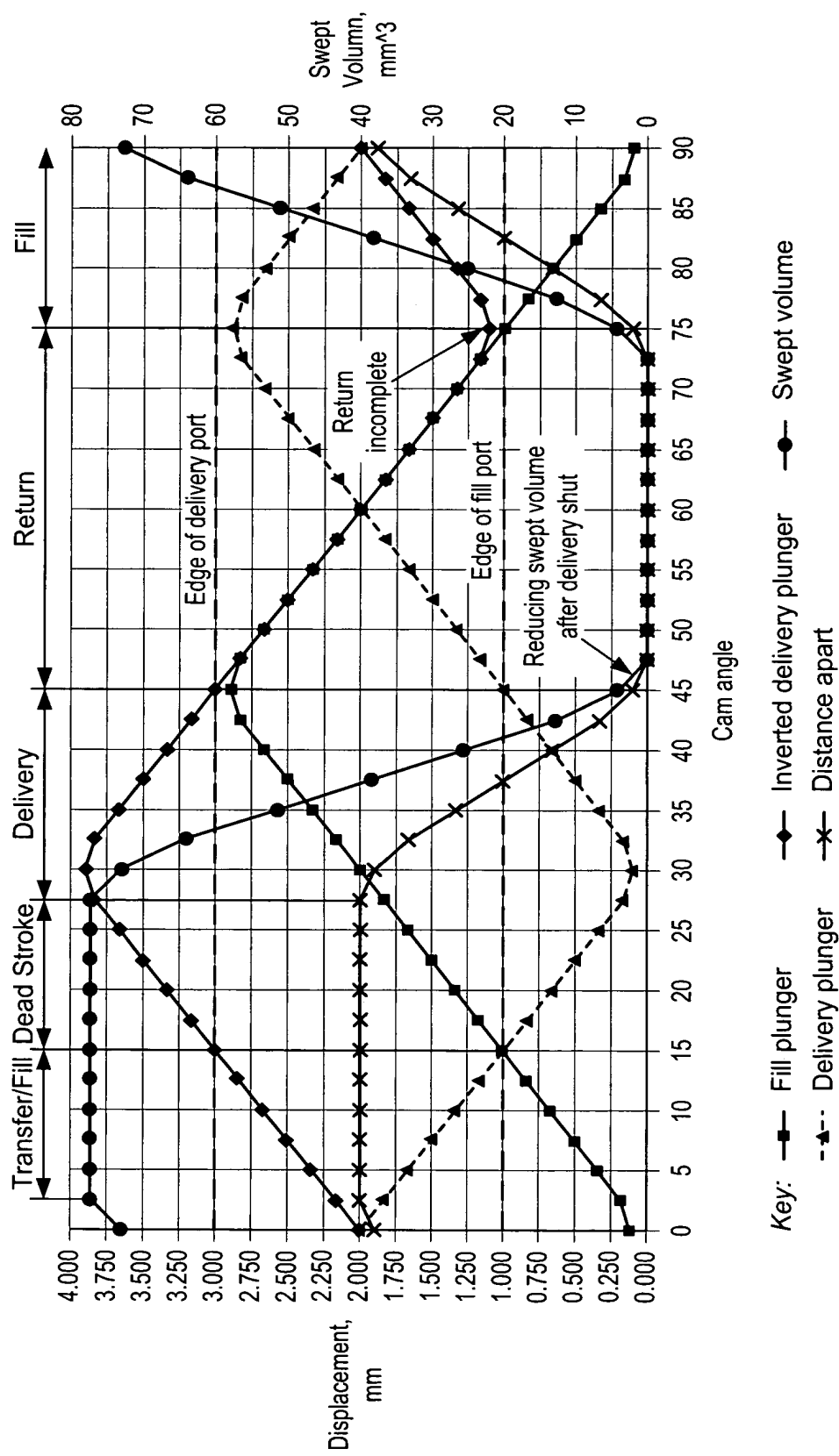
Shuttling Plungers Pump stroke diagram, 120 degree phase, 50mm Cam Pitch Dia. 7mm Plungers



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Fig.15

Shuttling Plungers Pump stroke diagram, 8mm Radii

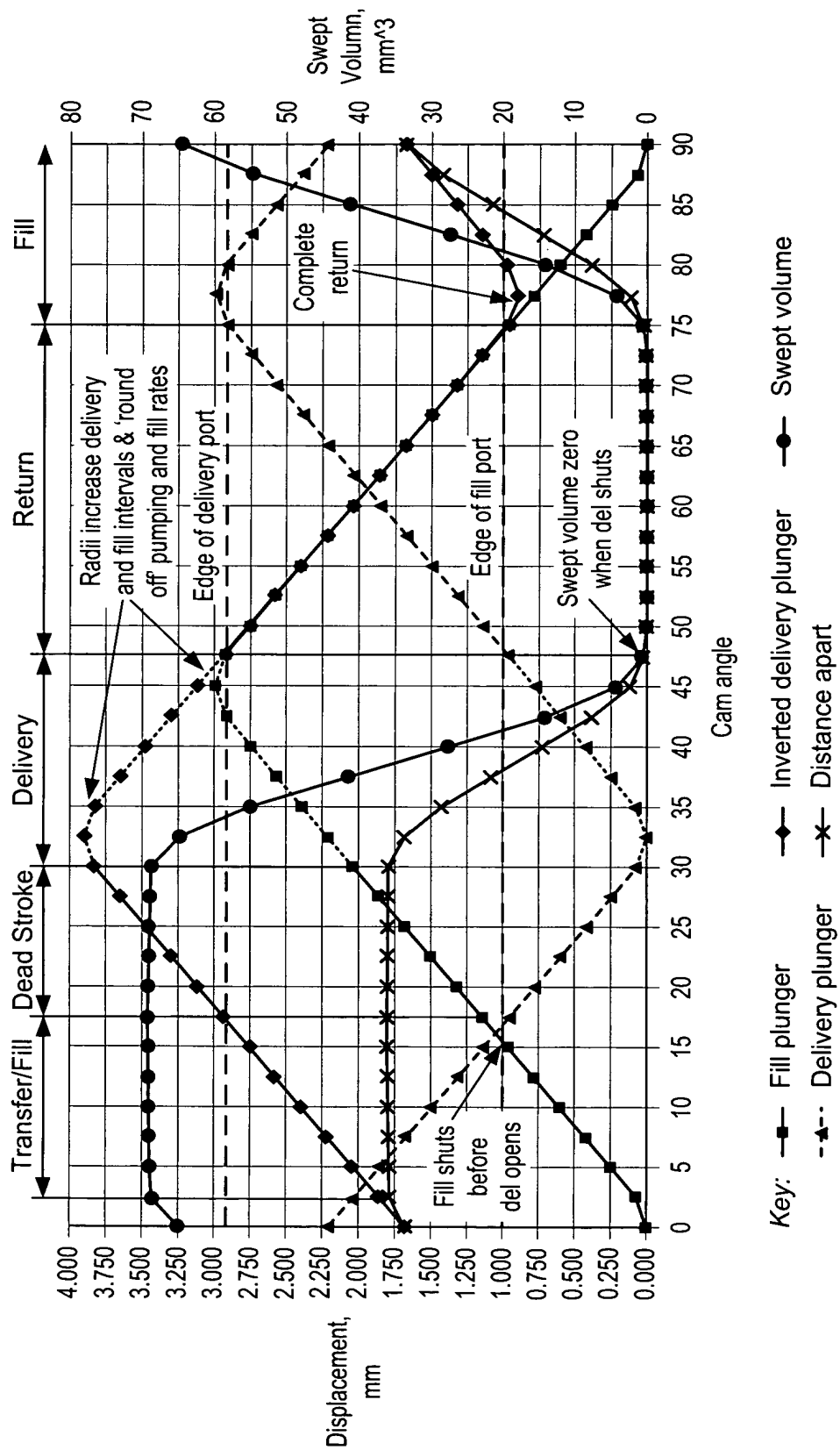




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Fig.16

Shuttling Plungers Pump stroke diagram, 8mm Radii &amp; 130 deg. Phase, 0.9mm Chord shift



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Fig.17

